

19981218.qrp v01_n309.qrs.981218

Date: Fri, 18 Dec 1998 19:03:17 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1309

QRP-L Digest 1309

Topics covered in this issue include:

- 1) [27498] Re: MFJ MorseTutor...??
by "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
- 2) [27499] Re: Need DMM suggestions for xmas
by "Radman" <radman@best.com>
- 3) [27500] MINIL:We have our designers
by Bill Jones <kd7s@psnw.com>
- 4) [27501] Re:COG vs NP0 caps
by Ed Loranger <we6w@qsl.net>
- 5) [27502] QSL info for JT1A?
by Jeff Grudin <grudin@pacific.vdbs.com>
- 6) [27503] OHR-500 AF level modify
by "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
- 7) [27504] Re:printed circuit board trace inductors
by Ed Loranger <we6w@qsl.net>
- 8) [27505] Re: COG vs NP0 caps
by Ed Loranger <we6w@qsl.net>
- 9) [27506] NEW CALL
by Wayne Alexander <walexan@ipa.net>
- 10) [27507] FOX TONIGHT?
by Tom Palmer <n1tp@worldnet.att.net>
- 11) [27508] RE: TS-520 for QRP?
by Arthur Gary Silvers <ags@ieee.org>
- 12) [27509] Re: Dynamic Range ramblings
by Roger Traylor <traylor@ECE.ORST.EDU>
- 13) [27510] FOX
by Tom Palmer <n1tp@worldnet.att.net>
- 14) [27511] RE: Buy, trade, and sell items
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 15) [27512] internet find
by "WILLIAM T. ROSE" <supertec@mail.myriad.net>
- 16) [27513] N2SMH Worked....
by Fred Lesnick <flesnick@tbaytel.net>
- 17) [27514] Mini Spice tutorial for oscillators
by "Robert P. Okas" <vintage@best.com>
- 18) [27515] SIERRA -RTTY-
by n3aaz-qrp@juno.com (John R Kirby)
- 19) [27516] Re: Dynamic Range ramblings

- by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 20) [27517] KM3D Shack Cleanup
by Harry Bump <bump-km3d@redrose.net>
- 21) [27518] [27484] RE: Kinda QRP
by Lee Hopper <leehop@uswest.net>
- 22) [27519] Interested in reduction drives?
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 23) [27520] Paddles for sale
by Goemans <jgoemans@facstaff.wisc.edu>
- 24) [27521] Re: C0G vs NP0 caps
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 25) [27522] OHR-100 Drift Project.
by we6w@juno.com (Ed Loranger)
- 26) [27523] Propagation
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 27) [27524] [27484] RE: Kinda QRP
by Tim Pettibone <tpettibo@NMSU.Edu>
- 28) [27525] Re: QRPizzah and new format for The Knights Before Christmas
by gary_oneil@juno.com (Gary E. O'Neil)
- 29) [27526] RE: [27484] RE: Kinda QRP
by "Ed Tanton" <n4xy@mindspring.com>
- 30) [27527] fox log 12/16 N7CQR
by talljazz@teleport.com (Dan Presley)
- 31) [27528] MFJ CW Tutor & Morse Tutors in general
by "Brian Jones" <bejones@hursley.ibm.com>
- 32) [27529] Re: FS:Small project boxes
by VE3JC - John C <jbcumming@wwdc.com>
- 33) [27530] Top Band's DX window?
by "Steve/n0tu" <n0tu@webaccess.net>
- 34) [27531] Who has some old 73's magazine
by "Eim Mulder" <mulder@server4.nfra.nl>
- 35) [27532] Thanks for the info on JT1A
by Jeff Grudin <grudin@pacific.vdbs.com>
- 36) [27533] Re: Top Band's DX window?
by "Bryan Turner" <turnerw@email.uah.edu>
- 37) [27534] Re: QSL info for JT1A?
by W5TB <w5tb@SoftHome.net>
- 38) [27535] qrp rigs
by bkobie@webtv.net (patrick obrien)
- 39) [27536] WA7P
by af852@rgfn.epcc.edu (William R Colbert)
- 40) [27537] Re: Elmer 205/Editors
by "Dan Hogan" <dhhogan@concentric.net>
- 41) [27538] NOTICE:Vixen FOX Sked
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 42) [27539] Sierra
by rbcallahan@juno.com (Robert B. Callahan)
- 43) [27540] Jersey Fireball 40 Transmitter Manual, Wow!!

by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

44) [27541] Re: MFJ MorseTutor...??
by "DJ Rock" <b2bn@hotmail.com>

45) [27542] Atlanticon Update: Hotel Reservations & Forum Badges
by "George Heron" <gheron@idt.net>

46) [27543] SIERRA -RTTY-Correction
by n3aaz-qrp@juno.com (John R Kirby)

47) [27544] Re: Question on Repair (not qrp)
by Brad Bradfield <b_bradfield@yahoo.com>

48) [27545] Re: NOTICE:Vixen FOX Sked
by Tom Palmer <n1tp@worldnet.att.net>

49) [27546] FS items all sold
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>

50) [27547] Fox - Request
by Brad Mugleston <bmug@gwl.com>

51) [27548] Drake list?
by bcutter@teal.csn.net (Bob Cutter)

52) [27549] Son of FireBall: Final list
by William-McShan@ouhsc.edu (Mike McShan)

53) [27550] NC20 wanted
by Stan Goldstein <stan@cruzio.com>

54) [27551] Samlex P/S
by dave_epps@juno.com

55) [27552] WTB: 30 METER SST
by w2bj@juno.com (Barry J Minsky)

56) [27553] ISOTRON ANTENNAS
by w2bj@juno.com (Barry J Minsky)

57) [27554] Re: QRPizzah and new format for The Knights Before Christmas
by "Bob Kellogg" <ae4ic@nr.infi.net>

58) [27555] MFJ 971 Tuner
by k6hcj@juno.com (Marv Fagenson)

59) [27556] OHR-100 Drift Project.
by Ed Loranger <we6w@qsl.net>

60) [27557] Re: Elmer 205/Editors
by Arjen Raateland <Arjen.Raateland@vyh.fi>

61) [27558] FOX:We've come a long way!
by Ed Loranger <we6w@qsl.net>

62) [27559] For the sake of completeness...
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>

63) [27560] Re: Dynamic Range ramblings
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>

64) [27561] Re: Dynamic Range ramblings
by Roger Traylor <traylor@ECE.ORST.EDU>

Date: Thu, 17 Dec 1998 16:08:33 -0500

From: "John Zaruba =>ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>

To: qrp-1@lehigh.edu
Subject: [27498] Re: MFJ MorseTutor...??
Message-ID: <199812172111.QAA46068@nss4.cc.Lehigh.EDU>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gordon,
I have had a 418 for about 2 years now and I'm very happy with it. I was stuck in the hospital recently, and it really helped me maintain my (rather limited) sanity ;^). It's something to do at 3:30 in the morning when you hurt too much to sleep. I plugged in an earphone and worked on my code. I'm trying to learn to copy in my head, but it's slow going. It has improved my number and punctuation copying dramatically.
I highly recommend it.

72/3 de John AA2BN

Date: Thu, 17 Dec 1998 13:11:41 -0800
From: "Radman" <radman@best.com>
To: <burnley-ia@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27499] Re: Need DMM suggestions for xmas
Message-ID: <199812172108.NAA14695@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John,

Have a look at the TechAmerica flyer URL:
<http://www.techamerica.com/catalog/Search.asp> Couple of good choices, IMHO... the Wavetek 27XT at \$99.95 looks like an excellent value. And, the special on the Metex ME-11 looks like a heck of a deal.

The Metex ME-11 manual/autoranging DMM with PC interface for \$39.95 would allow for a pair of DMMs on a \$100 budget! For less than \$100 you could have two ME-11s with serial interface to your computer for data logging. Pretty amazing, eh? Personally, I can't live with just one DMM. I typically find myself using a pair to watch voltage and

current simultaneously.

If you go with the Wavetek, I'm sure you'll be happy with their high quality -- it's very Fluke-like :-) GL es let us know what you come up with :-)

vry 72 - Conrad Weiss - NN6CW

Hi everyone! The XYL needs suggestions for a good but resonably priced DMM to put under the tree for yours truly; so please your suggestions. I would imagine a price limit of around \$100 is what she is looking for. In looking through catalogs, I don't know one brand from the other (Metex, Wavetek, BelMerit, etc.). Thanks in advance for the help!

72/73, John NU0V

Date: Thu, 17 Dec 1998 14:18:40 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [27500] MINIL:We have our designers
Message-ID: <36798340.CE1CEB6E@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am proud to announce the MINI-L design team. We are fortunate to have some of the most prestigious names and brightest minds in the QRP community working on this project.

Michael Herr - WA6ARA

Michael is a mechanical engineer working with digital data acquisition systems. He is an avid outdoorsman and adventurer. Michael was the catalyst that started the Adventure Radio Society's Trail Friendly Radio design contest.

Claton Cadmus - KA0GKC

Claton needs no introduction to list members. He is the founder and current president of the Minnesota QRP Society as well as being the listowner of the Ham-Pic e-mail list. A business professional, he owns and operates a manufacturing company. Claton's soldering iron is almost never cool with his constant homebrew projects.

Steven Weber - KD1JV

Mr. "melt solder" himself has volunteered to design the MINI-L's audio section, sidetone and muting stages. Of special interest are his plans to add a SCAF bandpass filter as an enhancement module. Steve's homebrew projects and kits are legendary and have been responsible for many qrp-l members mixing solder fumes with midnight oil.

Conrad Murray - WS4S

Conrad is the R&D Engineer for the Electrical and Computer Engineering department at Tennessee Tech University. As a 20 year veteran of ham radio, Conrad has not only built his share of kits but has also created some built-from-scratch rigs as well.

Neil Skousen

Neil's credentials are extremely extensive and varied. He is experienced in such areas as antenna design, broadband r.f. interference measurements, the design of aircraft emergency locator beacons and 900 MHz tx/rx systems for part 15 consumer devices. He has extensive building experience as well.

We have one other team member who prefers to work strictly behind the scenes.

Members of qrp-l are very fortunate to have these gentlemen volunteer their time and talents. I thank them all for their generosity.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 17 Dec 1998 22:26:15 +0000
From: Ed Loranger <we6w@qsl.net>
To: traylor@ECE.OST.EDU
Cc: qrp-l@lehigh.edu
Subject: [27501] Re:C0G vs NP0 caps
Message-ID: <36798507.3168@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Roger, the capacitors OHR used in my rig were marked: "C0G".

They are awful.

They may be NP0.

But they don't act like it.

They are also very fragile and one of them broke when I removed it. And I rarely break any parts.

I personally will stick with something more rugged.

Hope this is useful.

-Ed

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 17 Dec 1998 13:21:11 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [27502] QSL info for JT1A?
Message-ID: <367975C7.1AB3E9C8@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

During the last CQWW CW contest I worked JT1A. I have been looking since for the QSL info. Can't find it anywhere. Anyone happen to know?

--

73 de AC6KW <<mailto:grudin@vdbs.com>>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Fri, 18 Dec 1998 07:35:04 +0900
From: "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
To: "QRP-I ML" <qrp-l@Lehigh.EDU>
Subject: [27503] OHR-500 AF level modify
Message-ID: <199812172235.HAA00181@inv.co.jp>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello this is Toru JG1RVN in Tokyo.
Next modify is OHR-500's Audio output level.

I felt my OHR-500's AF output level was rather
smaller than OHR-100A's AF output level.
Especially I wanted more AF output level on 15m band
when I was using Speaker.

I compared OHR-500 with OHR-100A, I thought
OHR-500's R247(1k-ohm R) was no need.
It was located after Q202 AF mute FET.
OHR-100A has no this 1k-ohm resister after mute FET.

If you want more AF output level on OHR-500,
Please jumper R247(1k-ohm),
then AF output will be increased.

Now AF level feeling is as same as OHR-100A's.
If you feel too much AF level after this modify,
please try to change R247 value around 470-ohm,
330-ohm etc...

GL 72

PS;IT is 7:30 AM morning here in Tokyo.
Oh! I took mistake yesterday.
'TODAY' is a real 'friday', I say T.G.I.F !

Toru Kato JG1RVN
jg1rvn@inv.co.jp

Date: Thu, 17 Dec 1998 22:45:17 +0000
From: Ed Loranger <we6w@qsl.net>
To: rex@ime.net
Cc: qrp-1@lehigh.edu
Subject: [27504] Re:printed circuit board trace inductors
Message-ID: <3679897D.1659@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good going Rex. These are neat.

I worked with these back in the early 80's when I did lots of Microwave transmission line work.

The formulas and what not associated with these were compiled in a compendium on Stripline and MicroStripline construction.

I don't even know if I still have this buried in a dark corner of my garage bookshelf, but will take a look.

Until then, I recommend you try searching for Microstrip and Stripline transmission line construction techniques.

Or search for Stripline or Microstripline Inductors or coils.

They are highly influenced by PC board type and dielectric.

Good luck.

-Ed

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 17 Dec 1998 23:46:21 +0000
From: Ed Loranger <we6w@qsl.net>
To: traylor@ECE.ORST.EDU, qrp-l@lehigh.edu
Subject: [27505] Re: C0G vs NP0 caps
Message-ID: <367997CD.78A3@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Roger, here is a researched clarification.

I am refering only to the capacitors in my kit.

After a thorough review of the parts specifications manual, I have the following information to relay:

C0 refers to -55 deg. C to +125 deg C operating range.

G refers to thermal characteristic of +/- 30 parts/million.

So COG is supposed to be identical to NP-0

Also, polystyrene and polypropylene capacitors are the most used negative temperature coefficient caps. With polystyrene having an upper application temperature rating of +85 deg. C. The Polypropylene is the preferred material.

Also, teflon dielectric capacitors offer very good negative temperature coefficients.

This information derived from industry spec. tables.

Phew!

-Ed

Ed Loranger wrote:

>
> Roger, the capacitors OHR used in my rig were marked: "COG".
>
> They are awful.
>
> They may be NP0.
>
> But they don't act like it.
>
> They are also very fragile and one of them broke when I
> removed it. And I rarely break any parts.
>
> I personally will stick with something more rugged.
>
> Hope this is useful.
> -Ed
> --
> 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 17 Dec 1998 18:17:04 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-1@lehigh.edu

Subject: [27506] NEW CALL
Message-ID: <199812180017.SAA20328@ns3.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Just wanted to let you guys know that I have a new Call. N=D8EA
Just so the Foxii will know.
Getting ready for the fox with a new set of paddles. They are hand made and very nice.

Date: Thu, 17 Dec 1998 19:30:18 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [27507] FOX TONIGHT?
Message-ID: <3679A21A.74984413@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is N2SMH the FOX this evening starting at 0100 Z? Did he post his expected starting frequency, etc. Tom, N1TP.

Date: Thu, 17 Dec 1998 16:36:02 -0800
From: Arthur Gary Silvers <ags@ieee.org>
To: dh1auten@juno.com
Cc: qrp-l@lehigh.edu
Subject: [27508] RE: TS-520 for QRP?
Message-ID: <3679A372.B86BE556@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Dave,

I used to own a TS-520 and liked it very much. It uses a pair of parallel 6146Bs in the final which would probably need to be bypassed to get down to qrp levels of output. The receiver is sensitive but I added an active variable state hybrid band pass/reject filter in the audio stage for CW work. Not exactly ideal for qrp but a nice radio if it is

cheap enough. Really sorry I let it go.

72/73 de Arth W6AGS

Date: Thu, 17 Dec 1998 17:25:44 PST
From: Roger Traylor <traylor@ECE.OST.EDU>
To: rmccarty@earthlink.net
Cc: qrp-1@lehigh.edu
Subject: [27509] Re: Dynamic Range ramblings
Message-ID: <199812180125.RAA18942@guille.ECE.OST.EDU>

Roger

> I would be interested to hear others experiences and opinions regarding
> this.

A few comments:

I'm not sure of your definition of dynamic range. Mine is essentially
SFDR (spurious free dynamic range).

> In every case, the DC receivers allow a
> significant improvement in dynamic range to the point that in all but
> extreme cases, the lack of single signal reception is not a problem.

I also greatly enjoy DC receivers. However, I know that both DC and
superhet receivers are capable of dynamic range exceeding 110db.
Which can have the absolute greatest?... beats me. How much do I really
need? I've never lost a QSO on my NorCal Sierra with 80+dB SFDR.
I would bet your "Oner" doesn't have that much dynamic range.

> Another personal observation, I will not consider any transceiver in the
> future that uses an NE602 or equivalent. Although true they offer an
> inexpensive and minimal parts count superheterodyne transceiver, the
> negatives in terms of low dynamic range and overload/IMD problems IMO offset
> any gain they offer. A good quality DC receiver will outperform them
> everytime.

Either type of receiver can be designed poorly or well resulting in
good or bad performance from a number of standpoints. I would argue
that the performance is not so much a matter of ne602 vs diode mixer
etc. as much as the care that is taken in the overall design.

The phasing rig I entered in the Dayton design contest has a front end
mixer that is a 2N2222 version of the CA3028. This singly balanced mixer

is in many ways inferior the NE602. However, the receiver sounds very much like my R2. It has the characteristic clarity that DC rigs tend to have. BTW, this rigs SFDR is only about 80dB. :^(

I bet I could build a NE602 phasing reciever you would like to listen to. Ooooooooo..... Sounds like I challenged myself.

My unresearched opinion is that DC receivers sound good for basically two reasons. (1) The bandwidth of the audio filters in respect to their frequency of operation (audio) is much greater than a crystal filter. Thus audio distortion (especially ringing) is less. (I may get ripped to shreads on this. I'm not too sure of the theory here, but I'd like to learn.... ;^) The second reason (2) is that (who knows why?), DC designers pay alot of attention to the audio channel. For example, the R2's low distortion (high current) output amplifier.

As usual, its only my opinion.

Take care, and 72's,

Roger Traylor
WB4TPW

Date: Thu, 17 Dec 1998 20:36:27 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [27510] FOX
Message-ID: <3679B19B.593F5E5A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

David, N2SMH, in N. J. is in full swing and fast working hounds from a big pile up from all parts of the United States. BIG signal into Florida. If the band holds out he's going to have one heck of a final total. Those pesky Texans are getting through as usual! Tom, N1TP.

Date: Thu, 17 Dec 1998 18:58:43 -0700
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'ataylor@heracles.llnl.gov'" <ataylor@heracles.llnl.gov>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [27511] RE: Buy, trade, and sell items
Message-ID: <5103124387F8D11199DD00A0C925E4B906292A@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

How tall is that crank-up?

-----Original Message-----

From: Allan G. Taylor [mailto:ataylor@heracles.llnl.gov]
Sent: Wednesday, December 16, 1998 4:35 PM
To: Low Power Amateur Radio Discussion
Subject: Buy, trade, and sell items

I need :

an 18.0 MHz crystal, HC-49 style, equivalent to that used in the SST/20m
kits. Purpose: stretch the VX0 range.

also, Varicaps (2) suitable for ABX conversion of SST kit.

HamKey paddle/key combo . Doesn't have to be pristine as I will be taking
it into the brush...

and also, an Elecraft K2 (if one should become available in 1999...)
(!!!)

I will have for sale soon the following:

SST/40m stock (recently bought one with KC1 installed so this is surplus)
\$60
/obo

NorCal 40A stock, with or without KC1. \$150 with, \$115 w/o (both firm,
and already
reduced!)

NC20 kit \$100 (!), \$8 more for the 10 turn pot. (available sometime in
1999)

Tick 3 chip, version for NC20. \$15 (only available if NC20 kit is
committed)

2 J310s, anticipated to be added to NC40A as part of hotrod exercise \$2
for 2.

Unless we trade items, buyer pays shipping.

Also have a 2-section crankup tubular mast tower (old Tri-Ex), \$200. u-haul,
from East Bay CA QTH.

Motivation: moving from monoband rigs to K2 for all but extreme portable use
(like real backpacking with ham gear along...) sometime in 1999.

Thanks for listening...

The semester is over (actually as soon as I grade the final exams tonight),
so
I will be joining the Foxhunts from now on...

K7GT

agtaylor@llnl.gov

Date: Thu, 17 Dec 1998 21:22:20 -0600
From: "WILLIAM T. ROSE" <supertec@mail.myriad.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27512] internet find
Message-ID: <3679CA6B.63E397F6@mail.myriad.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For all you interested in the 10 meter AM & CW (11-2-10)
Check out this offering

E00-06004
Eagle Apache 240 (10
meter).....59.99
<http://www.copper.com/online/box.cgi?name=E00-06004&add=Add+To+Order>

--
KC5SCCBILL
"Deep in the Heart of Texas"
Emtech 80/20 80m ---Knightlite Smite 80m ---Pixie II 40m

Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm
Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2
Crushcraft A14820T 2m Beam

Date: Thu, 17 Dec 1998 21:27:20 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: njqrp <njqrp@njqrp.org>, "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [27513] N2SMH Worked....
Message-ID: <3679BD88.96B24BE5@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just worked David at 02:20 Z, not hearing any other hounds, just David...He was 559 peaking 579. Nice signal.... That makes my third fox worked. Yahoo.....
Fred VE3FAL
You can do so much with so little.....

Date: Thu, 17 Dec 1998 18:32:35 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-l@lehigh.edu
Subject: [27514] Mini Spice tutorial for oscillators
Message-ID: <Pine.BSF.4.05.9812171829160.25284-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

I ran across this App note in my search for Spice models. It's somewhat relevant to the current Elmer 205 discussions.

<http://sss-mag.com/pdf/rfosc.pdf>

73,
Bob - W3CD

Date: Thu, 17 Dec 1998 21:46:27 -0500
From: n3aaz-qrp@juno.com (John R Kirby)
To: qrp-1@Lehigh.EDU
Subject: [27515] SIERRA -RTTY-
Message-ID: <19981217.214634.-66621.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

- 1) Solder one wire to the Sierra VFO/RIT circuit (no track to cut).
- 2) Make one promise, >>no RTTY racket on any CW freq<< even if it is a "CALLING FREQ" some where else in this world,

and QRP FSK RTTY is yours to enjoy.
- 3) Load HamCom to your PC.
- 4) Build the RX circuit (from the "document file") or (the N3AAZ RX circuit that does not use that hard to find audio transformer).
- 5) Build the TX circuit (the N3AAZ TX circuit uses three 2N3904 (or 2222) and a few Rs and Cs).
- 6) Build the "key" circuit (the N3AAZ circuit uses one 2N3904 (or 2222) and a few Rs and Cs).
- 7) All the above (even with that audio transformer) will "PROBABLY" fit on one RS 276-149A perf board.
- 8) With HamCom running in the TUNE mode make one adjustment while using a second receiver.
- 9) Then remember step 2) above about RTTY racket on CW freqs!!

FYI

- 1) Contrary to popular belief, the distant station does not care if the sender is FSK or AFSK (i.e. SSB). Remember, FSK came first and only the "VERY" experienced operator may suspect the difference.
- 2) HamCom comes with three very nice pieces of test equipment (software),
 - a) Spectrum Analyser

b) Oscilloscope

c) One Jim Dandy (flexible) TUNEing indicator, (WOW).

3) My best guess is that this technique will work with any CW transceiver that has a RIT circuit associated with the "main" tuning VFO circuit. I feel certain it will work with any XIT or AFSK/SSB circuit.

4) Since Hamcom runs on both my 8088 / DOS / 9 MHz clk >>AND<< my 486 / 300 MHz / win98 platform... "MY" best guess is it will "PROBABLY" run on any thing in between...

Happy Holidays

John
N3AAZ

.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 20:51:09 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: rmccarty@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27516] Re: Dynamic Range ramblings
Message-ID: <3679C31C.30390A60@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Roger,

I've had the same experience many times. If the receiver has good dynamic range and little or no AGC I find that my brain can easily distinguish between different CW stations, even during contests.

I also don't care for narrow filters on CW. They tend to create fatigue for me when listening for long periods of time due to the monotone signals and noise. I do like to keep the bandwidth less than 3 KHz though. I'm well aware of the technical aspects of bandwidth versus S/N

ratio and that narrow bandwidths maybe required to pull signals out of the noise. On HF the signals are usually either there or not there, depending on propagation.

I find the filter between the ears to be pretty effective with practice. Therefore, direct conversion receivers have never been a problem with me. AGC and other forms of distortion are not required.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

Date: Thu, 17 Dec 1998 21:53:12 -0500
From: Harry Bump <bump-km3d@redrose.net>
To: "Auker, Brian" <bauker@ptd.net>, "Bell, Jay" <jkbell@nbn.net>, "Bilger, Ray" <w3tdf@juno.com>, "Blessing, Bruce" <ke3am@paonline.com>, "Bowman, Tom" <tbowman@nbn.net>, "Brubacker, David" <spark@nbn.net>, "Fowler, Pete" <petef330@ix.netcom.com>, "Hartman, Don" <deh14@email.psu.edu>, Subject: [27517] KM3D Shack Cleanup
Message-ID: <3679C398.FA37FDEA@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Guys,

Cleaning out the shack for the next wave and have a list of gear for sale on the web at
<http://users.desupernet.com/bump/km3d.htm>

Also my contest software is now available for download there; and there's a writeup about the past PA QSO Party, along with links to a couple of interesting groups.

E-mail me if any of it interests you.

73, Harry, KM3D

Date: Thu, 17 Dec 1998 18:54:54 -0800
From: Lee Hopper <leehop@uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [27518] [27484] RE: Kinda QRP
Message-ID: <3679C3FD.BEA3289E@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The venerable Ed Tanton wrote:
a Lowe HF-150 is terrific for what you want to
do with it. VERY small, yet very capable...

=====

Try:

<http://www.lowe.co.uk/hf150e.html>

AT \$715 it would have to be a pretty nifty receiver.

How about the TenTec 1253 or 1254? \$59/\$195 plus a soldering
iron? Maybe he'd enjoy building something. Visit
<http://www.tentec.com/>

Regards, Lee Hopper, KD7CTF
Current project: a TenTec 1220 2-meter xcvr

Date: Thu, 17 Dec 1998 19:48:51 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27519] Interested in reduction drives?
Message-ID: <000001be2a39\$5349cac0\$9a05b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have an opportunity to get Reduction drives at what I think is a
reasonable price. I would be willing to distribute these to list members at
my cost if anyone is interested. I need to order a minimum of 40 pieces to
get them at these prices.

The 1.5 inch unit would be \$7.00 and the 2" version is \$8.50. I have a
picture at; <http://www.accurate-electronics.com/knob/drive.jpg>

Please drop me a line if you are interested.

Thanks to Bill K6WHP for the heads up on these.

72

Roger A. McCarty ARS KD6CC
<http://www.qsl.net/kd6cc>

Caution! The 2nd Law of Thermodynamics is at work on all things at all times.
Mankind and Human nature are not exempt from entropy. The only solution is to decide on a higher standard, and commit yourself to it.

Date: Thu, 17 Dec 1998 23:15:11 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [27520] Paddles for sale
Message-ID: <199812180412.WAA50538@mail1.doit.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings gang,

I am making space on my shelf, shall we say Santa will be good to me this year..I have for sale...

>A Schurr Profi paddle, looks great, \$200 shipped in conUS.

>A Russian "Key-8" big chrome paddle, internal keyer has been disconnected, it is wired for external iambic keyer. With original Russian instruction book, schematic. \$100 shipped in conUS.

Images of both of these gems can be viewed on Marshall N1FN's "MorseXpress" web site.

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153 G QRP 9879

Date: Thu, 17 Dec 1998 23:35:37 -0500
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: traylor@ECE.ORST.EDU

Cc: qrp-1@lehigh.edu
Subject: [27521] Re: COG vs NP0 caps
Message-ID: <3.0.1.32.19981217233537.006c3a68@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 12:29 PM 12/17/98 -0800, Roger Traylor wrote:

>Gang,
> Are COG and NP0 caps the same as far as capacitance variation with
> temperature? I am going to use them in a VFO tank circuit.
>

Roger.....as far as I know they are. If there is a difference,
I'm going to learn something new too! :-)

72.....Jim, K8IQY

Date: Thu, 17 Dec 1998 23:41:03 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-1@lehigh.edu
Subject: [27522] OHR-100 Drift Project.
Message-ID: <19981217.202918.4775.0.we6w@juno.com>

Here kitty, kitty.....

The cat did something to my setup. Found the
probe disconnected and my pencils batted around...

No report on the 9am to 6 pm heat run.

I did notice the main signal was within 100 Hz
of where it was this morning...

Just finished putting in the 4th and last N150
Polystyrene capacitor. Using my Radio Adventures
digital dial to monitor frequency, I placed my
high intensity task light withing 6 inches of
the 4 polystyrenes and the vfo inductor. It held
until things started getting pretty warm. About 45
seconds and it moved up 100 Hz. Then it flickered
in the least significant 100 Hz digit and then
about 30 seconds later it went down where it started.
Then after another 45 seconds it dropped down 100 Hz
then back up where it started. It fought like
this for nearly 4 minutes until it got too hot

and the toroid took over, dropping about 100 Hz for every 30 seconds when I pulled the lamp.

It took about 30 seconds more to stabilize and within 2 minutes was within 100 Hz of where I started. Seems pretty robust.

So I've got it on the analyzer and will wait a couple of hours and begin the overnight test.

Checked out the Dec. 1996 QST. Nice article on an enhanced VFO. Stable within 10 Hz. Takes a lot of parts though.

I wish all the best in Holiday cheer.
-Ed Loranger we6w

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 17 Dec 1998 20:39:48 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27523] Propagation
Message-ID: <19981218044012.URQL18214@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Band condx on 40M are terrific (Friday 0400 gmt). The A index was 0 and K index was 0 and I heard ER1 in Moldova and worked ZS6 (S. Africa) QRO. Many Europeans also on and the Packet Spots in Los Angeles area indicate plenty of Europe and Africa EVEN on 80M.

Very hard to work on QRP, but with a good antenna (I mean gain antenna, i.e. better than a single element vertical or dipole) you might surprise yourself. It is the night of the long skip! The sunspots are back!
73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>

alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Thu, 17 Dec 1998 22:52:09 -0700
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: qrp-1@Lehigh.EDU
Subject: [27524] [27484] RE: Kinda QRP
Message-ID: <1.5.4.32.19981218055209.0067f224@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The venerable Ed Tanton wrote:
a Lowe HF-150 is terrific for what you want to
do with it. VERY small, yet very capable...

=====
Try:
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AT \$715 it would have to be a pretty nifty receiver.

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<http://www.tentec.com/>

Regards, Lee Hopper, KD7CTF
Current project: a TenTec 1220 2-meter xcvr

Date: Fri, 18 Dec 1998 02:20:24 -0500
From: gary_oneil@juno.com (Gary E. O'Neil)
To: klqrp@waterw.com
Cc: qrp-1@lehigh.edu
Subject: [27525] Re: QRPizzah and new format for The Knights Before Christmas
Message-ID: <19981218.022025.18014.0.Gary_0Neil@juno.com>

OK Gang... I new this was going to be a great QRP-zzah!

Well... I have to admit... I sure missed a whole lot of ya'awl!

Nonetheless; Those of us who did straggle out for the final
gathering of 1998, had a grand time. Good things to report, and some darn
right good stuff for door prizes.

To top the list, our very own Sir Steve (AE4YQ) arrived with a full working demo of a right fine project he's been working, and I do believe we have the makings of our next KL kit project. It seems this one will be a pin-thru-hole project for a number of pretty sound reasons. I'll not say more right now, and let Steve make the announcement once he works out some of the remaining bugs with the design. I'm sure this one will be as big or even bigger hit than our KnightSMiTe.

He's done a great deal of work on it, learned alot from doing the design work, and has got it working pretty good so far. A few features to add and some refinements he wants to add to put some polish on it, and it will be ready to roll. I'm looking forward to its completion, and I'm going to get my orders in early when we get ready to ship. This is a project you'll want to buy several of to pass around as birthday/holiday/doorprize gifts and such.

The turnout was a magnificent 7...(not to be confused with THE magnificent 7 which cannot compare with the likes of us :-)

Door prizes were a 6 meter superhet receiver, and a 6 meter R/C system (5 channels with 3 servo's) donated by Sir Lauren (AC4QX)... Sir Steve (AE4YQ) won the R/C system and Sir Alan (W4AMV... formerly WA4MGX) won the 6 meter superhet receiver.

Sir Lauren (AC4HQ) won a book on RF Design Techniques or something like that by Carr and a short run of RG-58 (donated by Sir Todd KB0HQU). Sir Bob (KE4QOK) won a rack panel of bulkhead feedthru BNC's and a box of spin-on BNC connectors for RG-59.

Sir Gary (yours truly) announced the fresh new calls of Sir Chet (W4CRB) formerly KE4QNG, and Sir Alan (see above) and a recommendation that we consider a contest format for this years "The Knights Before Christmas" operating event.

This is my proposal...

The Third Annual Knights Before Christmas event needs to have a structured format and yet remain an informal QSO party to celebrate the season in fellowship on the air. In addition; it should be in the spirit of QRP... i.e. benefit those with the determination, persistance and patience of Sir Rich in Ky.

This is to be a Christmas Eve contest, but one which allows everybody to participate to the extent that they feel comfortable and yet still qualify on equal terms with those die hards that give it their all :-)

We have a few days for discussion on this so refinements can be

interjected if you get your comments on this reflector early.

These are the "rules" to follow to keep it simple and fun.

Rule 1) Use any rig, power level (QRO won't help much though) band, and mode.

Rule 2) Contact anybody... No special need to search the night way digging in the ether for one of our own.

Rule 3) Operate as much or as little as you wish between the hours of 9 PM and midnight local time..... That's right... All are created equal... The amount of time on the air may or may not help your score. You won't be able to know how you're doing until you compute your score at the end of the session... A leisurely Christmas day exercise :-).

Rule 4) Contacts may be as brief or as long as you wish, but the only information you need to obtain/exchange is the Callsign and City where the station is located. No signal report, Name, section, or contact number data is required.

Rule 5) Compute your score and post to the reflector.

Rule 6) Your reward will be your score and of course the joy of operating QRP and talking with friends... Perhaps we'll add something more material to it later, but it breaks my head to think about certificates, plaques, etc.

Rule 7) Stop when it ceases to be fun.

Computing your score.... Now this is where it gets interesting.....

Step 1) Select any 1 hour period (your choice) that you want to be your entry. Any 60 minute period with no restrictions on start/stop times.... i.e. the time doesn't have to start or stop on the top of the hour. (e.g. 9:41PM Pacific Time to 10:41 Pacific time is a valid 1 hour window for those in the Pacific and mountain time zones).... even though the East coast folks will be tucked away in bed.

Step 2) For each contact made, go to one of the online databases on the WEB and look up their Lat/Long information as well as your own and compute the distance between you and the contacted station. If the city doesn't match the callbook entry, then compute the distance to the city using MapQuest or other similar WEB based program. Record the distance to each contact made during the hour of choice and set your score multiplier to 1.

Step 3) Record the amount of time in QSO to the nearest minute. 1

minute minimum per contact. 1.4 minutes = 1 minute. 1.5 minutes = 2 minutes, etc.

Step 4) For each 10 minutes you are in QSO with a given station, add 1 to your score multiplier. The first must be a full 10 minutes before the multiplier applies.... After that, it is fair to round off (not round up) to the nearest 10 minute period... for example 14 minutes gets multiplied by 2, and a 15 minutes QSO yields a multiplier of 3.

Step 5) Total the number of miles for the 1 hour period of your choice. This yields miles per hour so you gotta work long and fast :-)

Step 6) Compute the sum total of miles which yields your Total miles per hour

Step 7) Divide the number of QSO minutes by 60 to yield active operating time in hours.

Step 8) Finally divide the result in Step 6 by the result in step 7 and divide this total by your transmitter power in Watts. This yields your total overall efficiency (station and operator) in Miles per Watt hour.

Example Score Record

Time of operation 11:07 PM to Midnight Central time
Transmitter power 100 mw.

Station Worked	Distance to station	Time/Multiplier	Total
Distance Credit			

W1AAA	500	12 / 2	
	1000		
W4YES	200	15 / 3	
	600		
W6FAR	3700	1 / 1	
	3700		
W5MID	2000	8 / 1	
	2000		

Total Miles Per Hour
7300

Active Operating time 36/60
.6

Transmitter Power Output in Watts
.1

System efficiency (final score) 7300 / .6 / .1 121,667
miles per Watt Hour

In my so very humble opinion, this is the type of contest we should all strive for... It favors balance, while rewarding those who operate QRP... Lower power may yield fewer contacts, but higher power yields lower miles per watt. Higher power also may yield more contacts and induce a greater computational burden when it's time to derive ones final score :-).

I'm considering one other rule, but perhaps we should hear some discussion on it... this one is a band multiplier. It goes like this:

160/80 meters	multiply total score by 3
40/30 meters	multiply total score by 2
20 through 10 meters	no score multiplier

The rationale for this last rule is the miles per watt advantage of higher frequencies. The first skip zone moves farther out with increasing frequency. I think this would help to further keep the playing field balanced.

So what do you say gang? Sound like a reasonable plan... No judges need be assigned... We are all of the highest of integrity, and nothing but the challenge and good fun is our reward. We assess our own performance and (hopefully) freely share our findings with the group. In is my intent to keep our continuing spirit of informality intact. We don't need or wish to assign somebody the responsibility of official score keeper.

Let's hear your thoughts on this gang. And let's discuss some refinements to it between now and that magical evening when we celebrate our greatest blessings.

72 and 73

[illegible]

Sir Gary, N3GO Raleigh, NC

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 18 Dec 1998 03:08:49 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <leehop@uswest.net>

Cc: <qrp-1@Lehigh.EDU>
Subject: [27526] RE: [27484] RE: Kinda QRP
Message-ID: <003f01be2a5d\$a4a0f690\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, THAT's why I said they were hard to find... I meant an "experienced" HF-150!!! Still, it'll go for \$300-\$400 used. I can't seem to find one when I also happen to have the \$\$\$\$. Missed out on two that way. While the TT 1254 (?-the \$200 one anyway) did NOT review very well, for the money, it's still a pretty good deal. It might be a hassle if it was assembled and didn't work. I THINK however, they made a real effort to eliminate the need for test equipment with it-so the soldering iron and TT kit might be a pretty good idea.

Venerable? "Old" would do.

Season's Greetings Lee. I wish you a Merry Christmas and a Happy New Year!!!

Ed Tanton N4XY

Date: Fri, 18 Dec 1998 00:43:15 -0800
From: talljazz@teleport.com (Dan Presley)
To: qrp-1@LeHigh.edu
Subject: [27527] fox log 12/16 N7CQR
Message-ID: <v0153050bb29fb8d15326@[216.26.4.198]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK-here's the results. Please notify me of any mistakes. I learned a lot, and can't wait until my next turn! A couple of observations- it was easy for me to hear guys who had good fists with a little more spacing between characters; easier than some who tended to run things together at faster speeds. Also, the delayed calls worked, as there was so much qrm that I could only wait for it to die down a bit, and then grab a call placed 'in the clear'. Sometimes the slow speed stood out a bit clearer in the qrm.

02:01 K2VCO 559 Vic CA # 725
02:03 KI0U? 559 Jim MO # 790?

02:04 VE5RC 229 Bruce SK #886
 02:06 KU7Y 559 Ron NV #17
 02:07 WE6W 599 Ed CA #1068
 02:09 K5ZTY 559 Bill TX #473 Tnx Bill for the swap & glad to work you!
 02:10 N5TW 559 Tom TX # 1474
 02:12 NQ7X 559 Floyd AZ #343
 02:14 AB0G0 559 Dave CO #785
 02:15 K50I 559 Tim NM #73
 02:16 VE6NJK 599 Nils AB #1239
 02:17 N1FM 559 Marsh CO #153?
 02:19 AK1P 569 Paul CA #284
 02:20 K50N 559 Gary NM #770
 02:21 W5SB 599 Bill TX #1279
 02:23 W9UQB 559 Mike AZ #413
 02:25 K1MG 599 Mike CA #614
 02:27 AF5Z 579 Bob TX #984
 02:29 AB7MY 559 Gary AZ #571
 02:30 VE6EWM 579 Earl ?? #1076
 02:31 KG7PV 599 Steve OR #109 My "Homey"-about 5 air miles from me!
 02:33 WB5QYT 559 Tom NM #640
 02:34 WA0PWP 459 Gavin WI #127
 02:35 N4ROA 449 Dan VA #970
 02:36 N6WG 339 Bob CA #26
 02:39 K5JHP 439 Bill TX #825
 02:40 N5JI 449 Dick TX #1054
 02:42 N7GS 559 Mal MT #815
 02:44 KI0KY 559 Steve CO #1303
 02:45 KK5LD 559 Dan TX 5W
 02:46 VE3FAL 559 Fred OT 5W
 02:48 KB0PTE 559 Wayne MO #1058
 02:49 K5LN 559 Bill TX #1794
 02:52 W0CH 449 Steve MO #618
 02:54 N0AR 559 Scott MN #1455
 02:55 AB7CE 599 Roy MT 4W "Zombie killer"
 02:57 AA5TA 559 Larry TX # 1245
 03:02 K0EVZ 579 Doc ND #861 Best Fist!
 03:03 W6SIY 559 Keith CA #675
 03:04 VE3JC 559 John ON #744
 03:06 AI4CW 339 Ron AL #1670
 03:08 W8SFF 559 Steve MI # 128
 03:11 KQ5U 559 Terry TX #1603
 03:12 K8CV 559 Walt MI #935
 03:19 K7TQ 569 Wayne ID #102
 03:23 WS8D 559 Mike MI #1188
 03:27 W0RSP 449 Ade SD # 661??
 had to qsy due to ssb qrm !!
 03:36 W6ARK 559 ?? CA 5W 'stumbled' on to me, and didn't know about
 the contest!

03:42 KA5T 449 TX #89 back to 7043
03:44 VE2KN 229 ORI "PQ" #103 finally figured this out after all the posts!
03:50 WJ7H 339 Wayne UT ??
03:55 KC1FB 559 Jim CT #29-he was the last, and was very strong from CT!!

Date: Fri, 18 Dec 1998 09:47:23 -0000
From: "Brian Jones" <bejones@hursley.ibm.com>
To: KF4EIB@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [27528] MFJ CW Tutor & Morse Tutors in general
Message-ID: <199812180949.JAA23474@sp3at21.hursley.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gordon

MFJ are one of those forward thinking companies that put their product manuals on the web - go look at <http://www.mfjenterprises.com/manuals/> to find the PDF file for the 418. I have a friend who was just given one (as a thank you for teaching someone CW by sending to them slow CW over 2m daily for a couple of months). It looks pretty neat but I haven't had chance to play with it yet.

Since your note went to QRP-L and one of the Tentec lists I can only assume you may not be adverse to building! I made a PIC based tutor using the learning method proposed by Ludwig Koch (go see <http://griffy.nmt.edu/sara/sara/finley.morse.html> for details of his ideas or <http://www.joates.demon.co.uk/megs/NOHFF/c29.htm> for some more in depth detail of his research). Its very simple to build (only needs a couple of components other than PIC and LCD) and cheap if you can source the LCD cheaply at a hamfest. Several folks have emailed me with successful units built from the web page (and updated code - see below).

Details of the project are available from <http://www.qsl.net/n0tfti/tutor.html> but DONT USE THE CODE from there. A couple of folks have had some problem (I've not) - I've fixed

it and will repost to that site next week (hopefully). I can post the latest code on to anyone wanting it. I too was taught CW by someone sending to me over VHF daily for a couple of months - my working life forbids me the time to do that for someone else so providing a (hopefully pretty good) CW tutor free to the community is my way of saying thanks.

Out of interest - I'm revamping this tutor to teach both Koch and the more traditional Farnsworth approach. The idea will also be to make some hardware that will allow replacement PICs to provide other morse facilities (such as a 15-30 wpm improver tutor sending words, snippets of QSOs, calls - a 30 wpm + tutor to interface to a keyboard - morse decoder unit - but no plans for a Keyer Embedded Research, K1EL etc do a much better job than I could!). This is an ambitious project and entirely dependent upon time pressure of work and XYL - so don't hold your breath. Any ideas for what you would like to see in your ideal CW teaching machine to take real beginners thru to K5F0 speeds!

Brian G0UKB KB8YKJ
Brian Jones
Technical Planner
Java Technology Centre
IBM Hursley

Date: Fri, 18 Dec 1998 06:30:45 -0500
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27529] Re: FS:Small project boxes
Message-ID: <367A3CE5.B49FB72D@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, Altoids hasn't completely dried up the world market for small project boxes. I think all my boxes are spoken for - I may have a couple more, but if you emailed me requesting a pair and your name is not on the list below, please let me know right away

72, John VE3JC

Wanting boxes:

VE6AAN
N2T0
W5JH
VE5RC
W5QJ
KD6CC
WN6HYX
N3XRV
WAYNE GLOVER
N2ZW
N7XJ

Date: Fri, 18 Dec 1998 05:55:58 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [27530] Top Band's DX window?
Message-ID: <000301be2a85\$ef08c960\$86a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

After 20 years of being away from 160m I found my way back last night. Worked 3 states on 5w using my 285' long wire. Built a little z-match tuner from a couple BC caps and T-130-6 toroid mounted on a piece of plywood. Looks ugly but works great at QRP ...starts to arc over above 5w!

But I forget, where is the DX window? I don't want to stumble onto forbidden turf. What a great band...a friendly bunch of good OPs down there! Why do they call it 'Top Band'?

TU & 72Steve/n0tu Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Fri, 18 Dec 1998 14:18:17 +0100
From: "Eim Mulder" <mulder@server4.nfra.nl>
To: qrp-canada@lists.gpfn.sk.ca
Cc: QRP-L@Lehigh.EDU

Subject: [27531] Who has some old 73's magazine
Message-ID: <s67a6432.056@server4.nfra.nl>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Who has some old 73's magazine

73 magazine had an article a number of years ago called 2 to 10. It was =
for
FM. There is also an article called "The Simplest Transverter" using high
level Double Balanced Mixer.=20

I would like to know in which issue I can find these articles.

73's-----Eim-----PA3CMD

Eim mulder

mulder@nfra.nl

Date: Fri, 18 Dec 1998 06:45:51 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [27532] Thanks for the info on JT1A
Message-ID: <367A6A9F.E544BA23@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Once again you guys are great. In no time at all I am one step closer
to confirming JT.

Thanks to Doc Drake W5TB for the QSL info for JT1A.

--

73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Fri, 18 Dec 1998 08:40:34 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: n0tu@webaccess.net
Cc: qrp-1@Lehigh.EDU
Subject: [27533] Re: Top Band's DX window?
Message-ID: <199812181445.IAA21355@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> Why do they call it 'Top Band'?
>
160 is the "top" if you view bands by wavelength, as opposed to
frequency.
73 Bryan W8LN

Date: Fri, 18 Dec 1998 08:23:39 -0500
From: W5TB <w5tb@SoftHome.net>
To: grudin@pacific.vdbs.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27534] Re: QSL info for JT1A?
Message-ID: <v04011704b2a007a15150@[10.4.199.232]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 1:21 PM -0800 12/17/98, Jeff Grudin wrote:
>During the last CQWW CW contest I worked JT1A. I have been looking
>since for the QSL info. Can't find it anywhere. Anyone happen to know?

From: DX-NL 1123 - November 23, 1998 DX News Letter Editor: Michael, DJ5AV

JT - MONGOLIA OH1RX, OH2BE, OH2BH, OH8PF and some local hams will be QRV as
JT1A in
Ulanbator between Nov 26 and Dec 1. QSLs for JT1A via OH1RX.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Fri, 18 Dec 1998 10:22:08 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [27535] qrp rigs
Message-ID: <26924-367A7320-173@mailtod-131.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

i have the following
mfj 15 mtr qrp xcvr 4watts excellent(no manual)
ohr qrp sprint 30 mtr xcvr excellent (manual) 3 watts
trade for
mfj 6 mtr xcvr
80 mtr xcvr
tt century 22
tnx 73 pat/k8len

Date: Fri, 18 Dec 1998 08:47:40 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-l@lehigh.edu
Subject: [27536] WA7P
Message-ID: <199812181547.IAA09533@rgfn.epcc.edu>

I used to qso Ed Stiles, WA7P/qrp from the Tucson area often. He
at latxxxx last qso was running one of his 6L6 rigs. Haven't heard
him on for several years - anyone on the list from the Tucson (or
other area) area know if Ed is still active? I think he also did
a couple of articles on his glowbugs for T5W and the Quarterly.
Curious.

73
Ray
\$

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Fri, 18 Dec 1998 07:57:18 -0800
From: "Dan Hogan" <dhhogan@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [27537] Re: Elmer 205/Editors
Message-ID: <199812181556.KAA06278@mcfeely.concentric.net>

Guys:

There is a Windows text editor called "Programmers File Editor", available from Winfiles.com, freeware. It can be set up to save files in any file extension you want. I have been using it for at least ten years, and I am still finding new features in it.

Dan Hogan WA6PBY
West Covina, CA
QRP-L #558

Date: Fri, 18 Dec 1998 11:00:28 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@LEHIGH.EDU>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [27538] NOTICE:Vixen FOX Sked
Message-ID: <199812181102_MC2-6404-B28@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Mary WN6HYX has asked me to post this for her, as she is having problems with internet. You'll be interested :-).

>> Hello Hounds!

I'll be doing one more stint as a fox before the end of the year.

Tuesday 12/22/98 5pm-7pm pst (UTC WEDNESDAY 0100-0300)
Frequency 7.110
Exchange: Call / Name / State / QRP-L# / Power

Looking forward to seeing you then.

72 and Happy Holidays

Mary <><wn6hyx <<

This N/T+ FOX does a FB job. She is already at the 14-15 wpm level, and getting better with each FOX hunt. She also is also a force on DXing. I fully expect her to upgrade before the end of the season. So better plan now to work her! Good luck one and all.

72/73,

--Doc Lindsey/K0EVZ

DSBF

P.O. Box 7187

Bismarck, ND 58507

E-Mail 70511.3041@compuserve.com

Date: Fri, 18 Dec 1998 10:12:07 -0600
From: rbcallahan@juno.com (Robert B. Callahan)
To: Qrp-L@lehigh.edu
Subject: [27539] Sierra
Message-ID: <19981218.101209.3990.0.RBCallahan@juno.com>

I have just purchased a Wilderness Radio Sierra (not yet arrived) and have a few questions about the radio. First, what type of transistor is used in the Final? I also have heard of a Mod to the Final which is, replace it with a NTE342 for a full 5 watts of output power. I have ordered some for that purpose. Any comments on that? Also is there a pot in the radio between the driver and Final to reduce the drive to the Final for QRPp operation if I wish? Please let me know. How do you like your Sierra? I hear nothing but great reviews about it...The SST's are sure good ones by Wilderness Radio. Thanks

72's

Bob Callahan KC5T #1792

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 18 Dec 1998 08:37:46 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-1@lehigh.edu>
Subject: [27540] Jersey Fireball 40 Transmitter Manual, Wow!!
Message-ID: <01be2aa4\$be9cc1e0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yesterday I got to look at a preview copy of the manual for the Jersey Fireball 40 Transmitter kit that was announced last week by the NJ QRP Club. The manual is unbelievable for a \$10 kit!! 8 pages!! It is very, very well done, as good as anything that I have ever seen.

It has the following sections:

Introduction
Ok, Just What is the "FB40"
A Little History
Circuit Description
Building the Kit
Set Up
Parts Inventory
PC Board Orientation
Install the Voltage Regulator
Measurement #1: Voltage Regulator
Install the Jumpers
Measurement #2: Jumper Continuity
Install the Oscillator
Install Bypass Capacitors
Install U2 & U3 "74LS74" ICs
Measurement #3: Check for U1-U3 pin shorts
Install Filter Caps C4, C5, C6
Wind the Filter Inductors
Putting the FB40 on the Air
Optional Installation of a TiCK Keyer
Optional Installation of an RF Power Amp

Tables & Figures:
Table 1: Output Filter Values
Figure 1: PC Board, Component Side
Figure 2: PC Board, Bottom Side
Figure 3: Schematic for Jersey Fireball 40
Figure 4: Component Layout for Stock 40 Meter Operation
Figure 5: Optional TiCK Keyer
Figure 6: Optional RF Power Amp

Plus there are 5 drawings of component placings, winding toroids, etc.

The circuit description section is outstanding. There is a full explanation of what is happening and why. Very nice job here.

The building instructions are the check off type. There is a box to check as you install each component, and there is a full description of each component. My only criticism here is that they did not include a pictorial drawing of each component, which would have been a nice touch for the first time builders. But, the text description is quite adequate.

Guys, I think that this just might be the ideal first time kit. It is cheap, (only \$10 POSTPAID), all of the parts are there, it has a high quality board, the manual is very, very complete. And when you get done, you have a useful little rig. If you do the optional RF Power Amp mod, you will get almost a watt out. Plenty of power to make a QRP contact!!

If you have never built anything before, order one of these and give yourself a well deserved Christmas present. Or, if you are like me and love to build, order one of these, it is only \$10. This and the Smite kit done by the North Carolina group may be the bargains of the century in kit building.

Sorry for the length of this posting but I am quite excited by what I see the NJ Club doing. They are promoting QRP in a huge way. Think about what they have done in the past 3 months alone: (1) Announced that they are sponsoring Atlanticon, complete with a major league lineup of speakers, two nights of qrp open house, and a building contest, all in March at the Timonium Hamfest. (2) Produced the excellent slide show on QRP, that has been copied and used by many, many of us for presentations at local ham clubs. It has been an invaluable aid. (3) The Jersey Fireball 40 kit, for \$10 which includes all board mounted parts for the stock kit, a manual (8 pages!!) and pads on the board to add a TiCK keyer and an RF Amp that will give almost 1 Watt out on the finished kit.

Guys order the Fireball, and if you live anywhere near the east coast, make plans to attend Atlanticon, the first big QRP gathering of 1999.

Here are the details to order the Jersey Fireball 40 kit:

The NJ-QRP QRP Club is selling the Basic 40m kit of parts and pc board for \$10 postpaid. Order from NJ-QRP Club, George Heron, N2APB, 45 Fieldstone Trail, Sparta, NJ 07871.

Check the NJ-QRP Club Website at <http://www.njqrp.org> for information on Atlanticon.

Check the Embedded Research Website at <http://www.frontiernet.net/~embres/> for information on the TiCK series of keyer chips.

Have a good day. 72, Doug, KI6DS

Date: Fri, 18 Dec 1998 08:36:22 PST
From: "DJ Rock" <b2bn@hotmail.com>
To: qrp-1@LEHIGH.EDU
Subject: [27541] Re: MFJ MorseTutor...??
Message-ID: <19981218163622.9954.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

>Is Supermorse Freeware?

Ive got Ham University. Not so great. Could someone point me to where I can get supermorse? Thanks.

>X-Orcpt: rfc822;qrp-1@fidoii.CC.Lehigh.EDU

>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

>

>

>Hi Gordon,

>

>I have one and it worked well for me. I never liked the tapes. I used

>it mostly for letters that were giving me trouble. Also used the

>computer program Super Morse.

>

>73,

>Duane, AD6HE

>

>

>

>---KF4EIB@aol.com wrote:

>>

>> Greetings to all,

>>

>> MFJ MorseTutor # 418 (I think). One with LCD display.

>> Gotta get a better grip on learning 13 wpm and up code.

>> Is this a good investment < or > \$80.00? (Poor choice of words?)

>> Tapes are really boring, and time on air is not a premium right now.

>> Have passed the written part of General...just need the code.

>> SSB on 10 meters IS fun, but I still love the sound of di dah...Hi

Hi.

>> BTW. I have a TenTec Omni D, talk about a GREAT CW machine!

>> Input? One you want to sell? Is Santa listening?
>>
>> Thanks,
>> Gordon kf4eib
>>
>> The word TROUSERS is an improper noun...
>> Singular at the top and plural at the bottom.....
>>
>>
>>
>
>
>-----
>DO YOU YAHOO!?
>Get your free @yahoo.com address at <http://mail.yahoo.com>
>
>
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 18 Dec 1998 11:53:34 -0500
From: "George Heron" <gheron@idt.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "NJQRP" <NJQRP@njqrp.org>
Subject: [27542] Atlanticon Update: Hotel Reservations & Forum Badges
Message-ID: <007301be2aa7\$023dc460\$2d3d9892@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

The Jersey QRP gang has some great news for those planning on attending the "Atlanticon 99 QRP Forum" next March 26th in Timonium, MD.

HOTEL ACCOMMODATIONS:

The hotel at which we're holding this marvelous QRP forum is called the Timonium Holiday Inn Select (just north of Baltimore), and we had previously announced rooms that are blocked off at a special rate for Atlanticon attendees.

Well, based on the number of people that have already committed to coming, *and* based on an even better-aligned affiliation negotiated with the

hamfest organizers, we now can improve the special room rates to \$69 ... this is 20 bucks off the already discounted rates we had announced before!

The Holiday Inn is really modern and very capable of providing us with a top-notch conference facilities. They have 10 conference rooms/halls to accommodate a fair amount of business meetings, so this sends a great message to us looking to have our 3-part events that weekend. We're having the outstanding technical presentations all day long on Saturday; *and* having a fun-packed evening before (Friday) with our "hospitality hall" where we can mingle & talk QRP with all our pals; *and* having an action packed Saturday evening showing off our projects and conducting the building contest.

Plus, don't forget the HUGE hamfest being held at the fairground right across the street all day Saturday and Sunday ... Man, this is going to be one fine weekend!

There are other hotels in the area too, some at a lower room rate, some at a higher rate ... and they are all filling up *fast*. The GOOD news is that we have 100 rooms blocked off at the Holiday Inn Select just for Atlanticon attendees! So, you want to be sure to get a room for that weekend, and there's no better place to be than right where the action is. Hit the QRP fun at the Holiday Inn Select with the comfort of walking down the hall from your room, and then be right there on the scene to bop over to the hamfest quickly and easily on Sunday. Couldn't be nicer!

QRP FORUM BADGES:

As Dave Maliniak, N2SMH has mentioned earlier this week, we're now taking names and info of people expecting to attend the Atlanticon QRP Forum. We're issuing Forum registration numbers that will be placed on some spectacular badges being prepared for the festivities and used for the drawings of some great prizes. (Did we mention that NorCal has graciously donated an NC20 transceiver to be given away?! Small Wonder Labs also has a surprise in store for attendees, and we have some other cool prizes in-progress ... so stay tuned!)

Dave got word to our NJ-QRP organizing team today indicating that his computer went south and he's off the email lists for just a bit and thus unable to respond with your Forum registration numbers ... BUT if you send your name along to me (n2apb@amsat.org) we'll be sure to keep the momentum going and get the names to Dave for official registration while he's coming back on line.

Okay, the FIRST thing you need to do is to reserve your hotel rooms for Friday and Saturday nights. You can call the Timonium Holiday Inn Select at: 410-252-7373. Be sure to mention that you are with the Atlanticon group, as we have some special surprises in store downstream for those Atlanticon reserves.

You can find out more information about the hamfest that weekend at the organizers' home page: <http://www.gbhc.org/>

You can catch up on the Atlanticon Forum details on our dedicated page at the Jersey QRP website: <http://www.njqrp.org>

We'll soon be posting information on travel, other related activities and more details of the QRP weekend itself.

We're looking forward to having a fabulous QRP time on the weekend of March 26th ... sure hope you can arrange to be there too!

72/73,

--George Heron, N2APB

n2apb@amsat.org in Sparta, NJ

<http://www.njqrp.org> <-- Home of the NJ-QRP Club!

Date: Fri, 18 Dec 1998 12:28:31 -0500
From: n3aaz-qrp@juno.com (John R Kirby)
To: qrp-1@Lehigh.EDU
Subject: [27543] SIERRA -RTTY-Correction
Message-ID: <19981218.123031.-303489.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

RE: audio transformer...

I stand corrected...HamComm 3.1 DOES NOT call for an audio transformer.
Build that download "Receive Circuit" from the 3.1 software.

RE: solder one wire to Sierra RIT/VFO circuit...

Working from the "Sierra QRP Transceiver Rev. C, 9-3-94 Sheet 2 of 3" schematic,
that point is the junction of R16, R19 and R20.

The download "FSK Circuit" from the 3.1 software WILL NOT work with the

Sierra, because shift will be excessive. You will need a pot (or gain control) to "set" shift. I used a 50 k pot between a similar (download) circuit and an emitter follower. The output from the emitter follower then connects to the R16, 19, 20 junction.

Happy Holiday

John
N3AAZ

.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 18 Dec 1998 00:42:01 -0800
From: Brad Bradfield <b_bradfield@yahoo.com>
To: w4bld@juno.com, qrp-1@lehigh.edu
Subject: [27544] Re: Question on Repair (not qrp)
Message-ID: <367A1559.3C73@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello y'all - -

The best Icom/Kenwood repair facility that I'm aware of is AVVID in Dallas. Phone number 800-214-5779. E-mail avvid@onramp.net. URL <rampages.onramp.net/~avvid>. I have no connection with them, nor have I ever done business with them, but my understanding is that they are reputable and do good work. They are factory authorized for warantee and non-warantee work by both Kenwood and Icom.

Oh, well.

72's es 73's,

Brad, W5CGH

Date: Fri, 18 Dec 1998 12:40:10 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: 70511.3041@compuserve.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27545] Re: NOTICE:Vixen FOX Sked
Message-ID: <367A9379.378E1ADD@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

She also has a very neat QSL card. Tom, N1TP

"W. D. (Doc) Lindsey" wrote:

> Gang:
>
> Mary WN6HYX has asked me to post this for her, as she is having
> problems with internet. You'll be interested :-).
>
> >> Hello Hounds!
>
> I'll be doing one more stint as a fox before the end
> of the year.
>
> Tuesday 12/22/98 5pm-7pm pst (UTC WEDNESDAY 0100-0300)
> Frequency 7.110
> Exchange: Call / Name / State / QRP-L# / Power
>
> Looking forward to seeing you then.
>
> 72 and Happy Holidays
> Mary <>wn6hyx <<
>
> This N/T+ FOX does a FB job. She is already at the 14-15 wpm level, and
> getting better with each FOX hunt. She also is also a force on DXing. I
> fully expect her to upgrade before the end of the season. So better plan
> now to work her! Good luck one and all.
>
> 72/73,
> --Doc Lindsey/K0EVZ
> DSBF
> P.O. Box 7187
> Bismarck, ND 58507
> E-Mail 70511.3041@compuserve.com
>
>

Date: Fri, 18 Dec 1998 09:54:55 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@lehigh.edu
Subject: [27546] FS items all sold
Message-ID: <199812181754.JAA18818@heracles.llnl.gov>

All F/S QRP items previously posted are now committed. The 2-section crankup tubular mast is still available.. but it certainly won't ship UPS...

K7GT

Date: Fri, 18 Dec 1998 10:55:25 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [27547] Fox - Request
Message-ID: <01BE2A74.EC9F7A40.bmug@gwl.com>

Attention all Foxes (especially Novice Foxes)

For those of us on the Digest Mode it can take days before we get updates or changes - for instance if you send out a notice on Tuesday that you are going to be on Wednesday this is what happens.

If you notice on Tuesday gets out early enough Tuesday to be delivered to the digest people (this is around 5pm MST Tuesday) I won't see it until Wednesday night when I get the chance to read the digest (usually after the hunt has been ran). Now if you publish your notice after the delivery time of my digest I won't even see it until Thursday night.

SO, if you are going to be a FOX and you are not on the posted schedule PLEASE let us know more than a few days in advance. If your posting over a weekend (like Friday) those of us with Business access won't see it until Monday night at the earliest.

Why do I care - well my work is slowing and I want to grab another pelt if I get the chance..

de KI00T, Brad (AKA KB0ROL)

Date: Fri, 18 Dec 1998 10:52:15 -0700
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@LEHIGH.EDU
Subject: [27548] Drake list?

Message-ID: <199812181752.KAA22159@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Is there a Drake list, if so where can I find it?

The question I have is how to use the VFO in my 2A to drive the 2NT.

72, Bob KI0G

Date: Fri, 18 Dec 1998 12:27:42 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-1@Lehigh.EDU
Subject: [27549] Son of FireBall: Final list
Message-ID: <v01540b00b2a04b0ddbe7@[207.193.32.206]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Here is the final list of people who ordered the 28.060 MHz oscillators. Please double check that you are on the list and the number of units you wanted is correct. I'm being flexible since our server sometimes has not been delivering my mail in a timely fashion.

Again, the price is \$5.35 per unit (that's my cost after shipping) plus \$1.00 per order for postage, etc. Please send your check or MO to

Mike McShan
4209 NE 143
Edmond, OK 73013

and enclose a self-addressed mailing label. To my Canadian friends, I apologize that I haven't had time to check with the USPS about the estimated postage cost. I'll find out and get a note off this weekend.

72 and have a good weekend,
Mike N5JKY

Name	Call	Number ordered
Frank Henrikson		2
Roger K Bassett		2
dave	ab5pc	2
Vic	AB6SO	1
Bob	AB7ST	1

Andreas	AD6FQ	1
Walter	AG5P	3
Jim	AL7FS	1
Jon	ea2sn	4
Chuck	K1CL	5
Joel	K1QM	1
George	K3TKS	2
George	K4PYM	1
John	K5JS	2
Oscar	K5UBS	1
Red	K5VOL	1
Kaye	K8GZ	2
Steve	K8IDN	2
Douglas	KA2UPW	1
Rod	KA7YOU	2
Bruce	KB0PZD	2
Clyde	KB4CUQ	1
Mike	KB9OCE	1
Jim	KC1FB	1
Ed	KC4MHM	1
Rick	kf4ar	2
Mac	KF4KSM	2
Doug	KI6DS	5
Jim	KJ5TF	2
Bruce	KL7H	2
Wes	N0IHM	1
George	N2APB	2
Joe	N2CX	2
Robert	N2LO	2
Kevin	N2TO	1
Bill	n2wf	1
Al	N2ZHS	2
David	n2zhy	2
Alan	N3BJ	1
Scott	n3byy	1
Jerry	N4EO	2
Mike	N5JKY	3
Bart	N5WL	2
Ralph	N7RI	1
Bruce	N7RR	1
Skip	NC9O	1
Steve	notu	1
Jerry	NR5A	1
Earl	VE3AB	1
Glen	VE3DNL	2
John	VE3JC	1
Brien	VE3VAW	1
Jerry	W0MC	1

Lee	w0vt	2
Rex	W1REX	2
Tony	W2GUM	1
John	W2IV	1
Dick	W2SCF	1
Rick	W4SEA	2
Karl	W5QJ	2
Brian	W5VB0	1
Mike	W8DN	2
Joe	W8RIK	1
Vince	WA2ECP	1
Charlie	WA5KRF	2
Jerry	WA6OWR	2
Mike	WA8MCQ	4
Keith	WB2VU0	2
John	WB40FT	1
Rick	Wz2t	1

Date: Fri, 18 Dec 1998 10:32:02 -0800
 From: Stan Goldstein <stan@cruzio.com>
 To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [27550] NC20 wanted
 Message-ID: <367A9FA2.AFF9D423@cruzio.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

I know it's a long-shot, but my friend, Lloyd, AA6T wants a NC20.

If you want to sell yours, please let me know .

Stan , N6XU

Date: Fri, 18 Dec 1998 10:09:36 -0800
 From: dave_epps@juno.com
 To: qrp-1@lehigh.edu
 Subject: [27551] Samlex P/S
 Message-ID: <19981218.101841.-56803.1.dave_epps@juno.com>
 MIME-Version: 1.0
 Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Rcvd the Samlex SEC 1223 and it is hard to believe that a p/s that small can handle 23 amps. Have not noticed any hash problems. Looks like a winner to me. The small switcher power supplies sure make a "Briefcase Portable" station possible with the radios similiar to the IC-706 as long as you are near 110 v.a.c.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 18 Dec 1998 15:23:43 -0500
From: w2bj@juno.com (Barry J Minsky)
To: cw@qth.net, forsale-swap@qth.net, qrp@qth.net, qrp-l@lehigh.edu, qrpp@qth.net
Subject: [27552] WTB: 30 METER SST
Message-ID: <19981218.152344.-241337.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would like to buy a 30 meter SST that is built and working. If you have one you are willing to part with, let me know.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359,

Six Club #151, QCWA #29298, OOTC #3723

Amateur Radio Missionary Service

Date: Fri, 18 Dec 1998 15:35:03 -0500
From: w2bj@juno.com (Barry J Minsky)
To: antennas@qth.net, cw@qth.net, qrp@qth.net, qrp-l@lehigh.edu, qrpp@qth.net
Subject: [27553] ISOTRON ANTENNAS
Message-ID: <19981218.153504.-241561.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking for a portable antenna that I can use on the balcony of a condo. This is not our regular residence. It is a beach condo that we own and rent to vacationers most of the time. When it is not rented, we use it ourselves for a couple of days at a time. I, therefore, cannot put up any permanent antenna. I need something I can put up and take down quickly. I have read about the Isotron antennas from Bilal Company. What do you think of this line? Do you have any other suggestions?

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359, Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Fri, 18 Dec 1998 14:32:28 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <klqrp@waterw.com>
Cc: <qrp-1@lehigh.edu>
Subject: [27554] Re: QRPizzah and new format for The Knights Before Christmas
Message-ID: <199812182044.PAA07029@fh106.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Man,

I knew it was a big mistake to miss QRPizza last night. I don't know what those guys were gnawing on, but it must have been more than Pizza. --- And Gary must have completely forgotten his medication!

What a knight it must have been!

Re the contest: I like Miles per Hour as the criteria..... It just has that ring to it. :-)

Gary, the contest sounds like a great idea. You may hear me and the Super Sierra on the air Christmas eve.

CUL,

Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Fri, 18 Dec 1998 13:16:23 -0800
From: k6hcj@juno.com (Marv Fagenson)
To: qrp-1@Lehigh.edu
Subject: [27555] MFJ 971 Tuner
Message-ID: <19981218.131624.-173757.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am interested in buying/trading for an MFJ 971 tuner or equivalent.
Email or phone 818-990-9730
Tnx and season's greetings and best of health to everyone.
Marv Fagenson
k6hcj@Juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 18 Dec 1998 21:24:08 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [27556] OHR-100 Drift Project.
Message-ID: <367AC7F8.FAE@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm starting to warm up to working on Thermal Drift issues :)

Ok. I learned a few more things last night that warrant
posting to the list.

I changed out the 4th NP-0 Capacitor with a N150 P-S capacitor.

It was very stable and I was thinking of leaving well enough
alone until I receive some capacitors <100 pF that a kind
list memeber is sending me. These will be employed in
final work along with adding some of that Foaming insulation
material we all spoke of in November.

So I'm out in the garage with virtually no change in the frequency with the intense task light burning within 6 inches of the VFO.

So my brain starts to wander and I got an idea. Hmmm, I bet if those polystyrene caps are mounted touching the PC board tighter, I bet I'd get a better ambient temperature tracking response.

Sure enuf. All of the compensation improved. In fact, it improved so much that I am now over compensated! Hee, hee.

Like my Calculus instructor began every sentence: "It is nice to know what the limits are before digging too deep"

So I am very happy I have found that I can overcompensate the rig.

And a really neat piece of learning: The toroid cores tend to be supported off of the PC board. The soldered wire leads are strong enough to hold the core off the board. I am going to add something to support the core so the weight of the core doesn't rest on the downleads. I'm betting this affects the drift as well.

In the next kit I build, I am going to be sure that no weight is supported by the wires. Sure nothing visible happens as it gets warm, just a good practice, I think I will incorporate. And I may be addicted to that 'Bottled Thermal Insulating' compound at the HomeBase store. I'll make some forms with a hole in the top and spray the foam onto all my cores to keep them from moving. Also supports them too.

Even though the rig is overcompensated, it's drift is very predictable and linear. Much better than before. So I feel that problems from drafts is minimized by supporting the toroid core and also keeping the VFO Capacitors close to the PCBoard thereby providing some thermal mass stability, albeit a small mass. At least any drafts can now only pass over half of the capacitor since the bottom is on the board. This reduces the effect of the draft on the component.

Only working part time today and will be on vacation until the 4th of January. I cannot receive my QSL.NET email during this time. I will be able to receive email at my juno account. <mailto:we6w@juno.com>

(Why?, well I like as empty a mailbox as I can get when I return to work)
:) :)

!!!!!!!Merry Christmas to all and a Happy New Year!!!!!!

-Ed WE6W
M93M p3-

"Enjoying Ham radio, inside and out and all around."

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 18 Dec 1998 21:59:46 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [27557] Re: Elmer 205/Editors
Message-ID: <367AD052.56F4@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Dan Hogan wrote:

> There is a Windows text editor called "Programmers File Editor",
> available from Winfiles.com, freeware. It can be set up to save files
> in any file extension you want. I have been using it for at least ten
> years, and I am still finding new features in it.

I use this free editor all the time at my QRL (which is too cheap to license anything else better than Notepad ...).

I have seen sources on the web with only older versions, so here is PFE's home page: <http://www.lancs.ac.uk/people/cpaap/pfe/>

cheerio, oh2zaz

--

Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Fri, 18 Dec 1998 22:42:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [27558] FOX:We've come a long way!
Message-ID: <367ADA4C.4BDA@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was just reading the December 1997 article on page 58 and 59 of the QST magazine. Brad Mugleston on wrote this one up and is a fine tribute to QRP-l, QRP operating, and a great expose' on the HF Fox Hunts.

Good Job Brad. Since I don't get any magazines anymore, I find time to visit our technical library where some of the ham radio periodicals are held for 5 years.

What really caught my attention was Brad's enthusiasm as he explained he had been bagged by 15 hounds in 11 states over the 2 hours operating as the fox.

With the pack of hounds calling, Brad describes this as -- "Pandemonium erupted again. There were at least a dozen people sending their calls."

I don't know how many simultaneous calling stations it takes to fill up the IF filters, but with all the activity in the Fox hunts now, I guess we can do like the radio manufactures and dub today's hunts the "Fox+".

Qrp -- it just keeps gettin' better.

-Ed "72"

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 18 Dec 1998 17:49:49 -0500 (EST)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [27559] For the sake of completeness...
Message-ID: <Pine.SOL.3.92.981218174808.23264C-100000@madrox>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Before I vanish for the holidays...only one person responded to the trivia question about the abbreviation "Assa.", which does not in fact have anything to do with current Canadian political leaders, federal or provincial... :-)

After the construction of the Canadian Pacific Railway in the 1880s, the land between the Great Lakes and the Rocky Mountains was reorganized from the Northwest Territories into new provinces. During the transition period there was a short-lived territory called Assiniboia (including much of modern Manitoba and Saskatchewan - remember that Manitoba's original boundaries were very different), whose official abbreviation was "Assa."

The names "Pile of Bones", "Regina" and "Alberta" have rather a cute story of their own. But that's another matter, unless any VE5s or VE6s want to fill in the details.

Whichever celebration is yours at this time of year, have a good one...

Laura Halliday VA3LDH "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

Date: Fri, 18 Dec 1998 18:08:10 -0500 (EST)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [27560] Re: Dynamic Range ramblings
Message-ID: <Pine.SOL.3.92.981218175225.23352A-100000@madrox>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I still insist that if the receiver doesn't have enough dynamic range for the conditions at hand it doesn't matter what else happens. Note the qualification: you may live in a very remote area where there are no strong signals. Or you may live in Intermod City. Your requirements will

be different.

There is nothing wrong with an NE602 mixer, it's just optimized for things other than rock-crushing signals. If you want to make cute little radios with few parts that use very little power it's hard to beat. Just don't hook it up to a full-size 40 meter antenna...

Remember that the filters in superhet receivers are optimized for opposite sideband rejection, with audio quality coming in a distant second. When we use direct conversion receivers we can optimize for audio quality, since the mixer design takes care of the opposite sideband.

Done right, these things sound *good*. If you want to do yourself a favour, treat yourself to a good speaker or pair of headphones. I use quality ones usually made to plug into CD players.

Audio quality is A Good Thing, because if the receiver sounds like crap, are you really going to want to use it?

Whichever celebration is yours at this time of year, have a good one...

Laura Halliday VA3LDH "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

Date: Fri, 18 Dec 1998 15:30:16 PST
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: lha@sdr.utias.utoronto.ca
Cc: qrp-1@lehigh.edu
Subject: [27561] Re: Dynamic Range ramblings
Message-ID: <199812182330.PAA26327@guille.ECE.ORST.EDU>

Laura,

A question about your comments.....

> Remember that the filters in superhet receivers are
> optimized for opposite sideband rejection, with audio
> quality coming in a distant second. When we use direct
> conversion receivers we can optimize for audio quality,
> since the mixer design takes care of the opposite sideband.

Very interesting. I didn't know this. Do you have a reference to this fact or is it common knowledge?

Thanks,

Roger Traylor
WB4TPW

End of QRP-L Digest 1309

